Notebook Series -- Pocket Notebooks
Notebook, PN-11-05-15

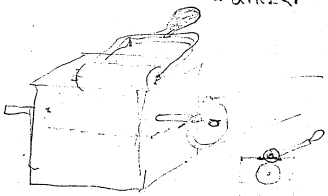
The two dated entries in this pocket notebook are from May and July 1911. The book was used by Edison to record ideas about business matters, experiments to be tried, and other tasks to be performed. Many of the items have been crossed out. Some entries appear to be clean transcriptions of entries from PN-12-04-17. Included are notes relating to battery experiments, chemical additives for Ni(OH)2 (nickel hydroxide) in batteries, cell regeneration, and new battery models. Also included are entries pertaining to veneers for disc records, talking pictures, and battery-powered trucks manufactured by the Lansden Co. In addition, there are lists of inventions to be patented, data on costs for various materials and parts, and talking points for marketing and promotion. Some of the entries deal with Edison's upcoming trip to Europe, such as obtaining passports for the family and finding out whether a duty had to be paid on cigars. At one point, the inventor reminds himself to "take new memo book to Europe" [probably PN-10-00-00.2 in *Thomas A. Edison Papers: A Selective Microfilm Edition, Part IV*, reel 178, and *Thomas A. Edison Papers Digital Edition*, NP086].

Among the numerous Edison employees mentioned in the book are Edward L. Aiken, assistant superintendent of the Edison Phonograph Works; assistant engineer John R. Anderson, Jr.; chemists Jonas W. Aylsworth and Ignacy Goldstein; master machinist Robert A. Bachman; chief engineer Donald M. Bliss; Frank L. Dyer, president of Thomas A. Edison, Inc., and head of the Legal Dept.; William H. Meadowcroft, Edison's personal assistant; Harry F. Miller, Edison's personal secretary; machinists Sherwood T. (Sam) Moore and Albert F. Wurth; and machinist and longtime Edison associate Frederick P. Ott. The pages are unnumbered. Approximately 150 pages have been used.

May 15 1901 – JAEdison

Greenly = Plate flake with Cobalt
for 2 test cells – grido also
use Co 1% ~~green~~ –

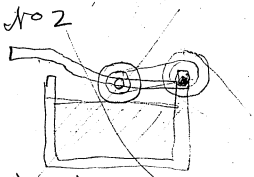
Polzin – strips in plain KOH
get Voltage –
ditto amalgamated " "
ditto " " in 21K2Li



Coat Blue record by bringing
dope up to Record by
reloading cylinder
NO

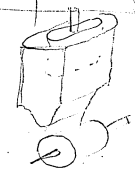
11-05-15

No 2



Dipping —

No 3

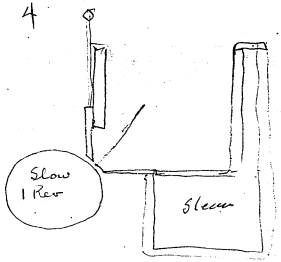


Plunger + part of water heated
in pot Tetrafluoro-sequentaheat
Either free Wick for 005 3 or
4 times around Wick on Can

11-05-1

Eyer ~~Ramanathan~~ —

4



Note discs ~~8" 10 + 12" disc~~
Sellby Minute 3 5 7½

Ground high carbon steel 3/4 plate
ground Matrix 1½ Golden.

Japanese tissue paper for disc
Veneer.

Whatis an Ester, Copal Esters
give varnish not attacked KOH
or acids alcohols 180°C

Ni pure stripes, many cells series
21 K 2 di + 2 grams 2 strong Fused nickel
in sols get drops

See Beach about Licorice factory

Dyer Higham ~~[illegible]~~ - 2 months
build Winchester should be
done at fair -

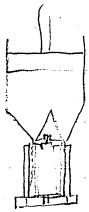
Make Walter Miller 1/2 of
up Dale sepday bill towards Juliet
records

Dyer - Economy ~~[illegible]~~ phone -

Write Sussell - Garage 2635
Wadsworth 3rd floor Colonial
bldg 100 Sun x pere were dc
& Low chg rate. Sub station
across street -

Try dry Oxalic in Cement as
when mixed water makes free SiO_2
+ Ca Oxalate for hard set on wall
also Bisulfate Na - dry powder
" Neutral Sulfate
" Oxalate Ubl.

No 4



Glucose Acetic Resolve Nitrocellulose
Glue Gelatin Acetocellose &
Casein - Try Lac + Nitrocellulose
Dec of Acetic affects Mountain
if not can dip -

Phenyl Acetate – unusual solvent
for nitrocellulose it dissolves Shellac
& Resins & Nitrocellulose with
equal facility.

Acetylene Tetrachloride
dis Shellac & acetylene
its universal all round
Solvent & mixes with
nearly every other
Solvent, BP 147°

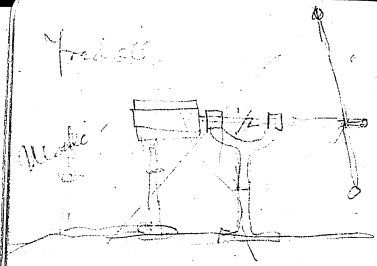
Try Shellac & Nitrocellulose
in Amyl Acetate –

Amyl Formate is best
Solvent for Nitrocellulose &
Shellac. It not dis in amyl acetate
so good as formate but does
have odd

Shellac dis in Wood alcohol
& Benzine with little fusel oil make better mixture
or any Low BP
nefhammable Liquid is
dipped ~~[illegible]~~ when Burnt off.
~~also~~ as soon as dipped is
ignited, this burns off the solvent
melts the Lac, all air bubbles
escape & Lac solidifies to a
film of high gloss & great
strength – P 338 Nitro C Industry
Vol 1

Goldschmidt Mn Off 1/2 1%
Vanadium – Mn Mg Cd/Hg
Fe Cr Sb Ge Cu Be
S Se Te Mo Ur Parseodidymium
Neodymium
& the other Thorium Os Ag Si
Si Zr Ca Sr Ba Erbium
Yttrium, Lutherium Wo, Al, Li

also 520 Nickel & 5 Lithia –
also this with 1 1/2 % Co



Al_2O_3 in KOH, small & large electrodes
see if may electroplating —

Test Req 1/8" disk one hundred
KO_3 neg & pos 300 times 1/2 off
it —

Paint a test strip in the platinum
Chloride heat — test polyp

Experiment on cavity
fluorite change voltage to
get on pumice for amberoid

Go over to WU.

Soak out old bad cells put in
NaCl etc reverse ni 1/2 hour
then soak out every trace of
NaCl then put 6 cells ox
to make Cl for 10 min then
soak out Run Req —
CdCl package better do Cd
deposit Cad /

Bliss tell him Count
Concentration solid + liquid
for 1 Horse -

Greenly Make some
Cellulose acetate dropper
08 026 010 015 005.

Patent furnishing porous aggregate & sand, fine cement & reinforced blocking in angles to hold together. Dumping etc.

Patent wagon use Li in CCC.
Patent | Home made | Cells Combine idea

Patent Premium for Cake with coupons & seeds

Patent Regulator Lever in office

Send data to Baldwin Loco works

Muret Kamar

Dyer New Spec Engineer
Germany life

Waller Miller (Oshkosh)
have 89021 Red seal
Kohengui - Du Aermette,

Dyer Front Cylinder bearing
neg Spec Gaff
cost —

19
Vibrate 19 = gov working
Slips belt 5 times Red

20 = frame of clockwork obtained
Worn gears & has a vibrating
time, 5 @ 6 sec

21 = In passing one gross dial
the other & it has to equal
this of Rev varies in one turn
also throughout

22 = Record disk moves on platter —

23 = The recorder itself has a 5@6 per sec Vibration rate,

24 = Vibrat. due to record groove not dead-ring from center, 5@6 variation from crowder causes Diamond to track, moves up & down towards center & thus varies volume good —

Air blower clip pos. in line of track

Repair Microtes & Dewar Mics,

Jacquet a flat Cumberla Cabinet piece of Concrete

Condensite Dry pellet for flake - Gal Tolan Try

2 tubes 2 grams KI - Total coating
2 tubes 1 gram KI front drop element
2 " 1/2 " KI in Reg 21K2Li
2 250 milig KI then put on
2 125 " KI Reg solution
Coating the KI to get no KI made —

Instead KI use KIO_3

Duplicate these using only 21K No Li

2 Tubes, one KOH 21 2 Li which has been electrolyzed between large surfaces of Nickel & Steel to remove Iodine —

Drop 2 tubes. The No OH being made by precip with LiOH,

Drop above with NaOH precip by NaOH

Make get of the Nickel KOH 21 2 Li — all or some to get rid of Iodine —

Patent — Concrete furniture — reinforced etc
" Spel Mat + To cells
" Method adding Li to cells + forming
" Drum for flake — Condensate etc
" Regeneration wash Curator
" New holder for new dic zplr
" New way for platten for Exceeding discs
" Home charging + Big charging
" New setting of charging & brages
" Funnel underhead + to one side + rail
" Disc drawers + frames 2 to Lines
" New filler + valve formula
" New Crate,
" New 1/8 tube machine
" New Submarine cell.
" Old Color circular for records

Application for Prod. Mine
Test for Iodine as iodide
Iodate in Pure NaOH
& KOH & LiOH,

Hutch, Sodalitto, mend KOH
Amalgamate part of Electrolyte
KOH hutch Sodalite or
Wash out KOH —

Measure Sulphide mod in
KOH,

Go over last of records
will get plated out
into Metal Washing
& have a meeting & decide
what to do —

See Corbet about tools
New Replica

Address for Go about
Cheap Spots

See if we get 25 lbs
boiled due Jux —

Have Blem record the
Res plated, amount &
length & accumulator &
amount of Fresh Elec
20 V measuring for
Mac in Patent Cases —

Angels serenade, Swanee Riv, Robt Adair
Old folks at Home, Coming Home the rye,
Old black Joe, Ave Maria, West Morning
Home S Home, Massa cold Ground, Wandering boy
tonight, Rosary, Nancy Lee, Song Nail Now
My Samba, Quiet the Tootsie
Evening Star, Tannhauser, Lady Love, last rose summer
when Swallows homeward fly, Rathaleen Mavourneen
generates Hearts bowed down
Come back To Erin — Killarney
Liquid Condensers for bamboo paper
Graphite heat under press.

V[illegible]

Goldstein Ferric ox amorphous state by igniting at red heat ferrous sulphate with 1/12th part of sodic chlor & percolating —

Holland-steel gun cond in comp'and book all troubles outside come etc & all returned all troubles, Crater, fellows slow

Regenerate tubes, soaking put KOH Monday - put in a solution without KOH, shook out and double salt in as solvent, also use commercial sichuric, wash out carbonate Then put back a liquid & reserve

Put up two old cells which have only been soaked out.

Heater

X rubber to scrap off from bending

Beach talking point Steam Cars have to go built to pull each other Electric pull load all steams internal & not than Car Wanna can be Lighter —

Oxygen

Morning Pic Thursday need Oxygen with without air, Load Friday —

Exchange sections for records

Test Tellur in Cup in Galley make 7 H & let O from P gas decomp it so no gas comes from Galley —

Have met on Lampkin & other accounts amounts due us (good) —

Levige discs 4 in box, rent 25c & Expressage per day — 300 days $75. Cost 1.75 + Expenses.

Cylinder, 4 in box rent 15c + expressage daily, 200 days wear, $30.00 Cost, 1.00 Cone roll, + Expenses -

See chemistry figures how much SiO_2 wanted per month + order for 6 or 1 year -

Wash the (4 cell tray that is on the table)

Look up articles get a man in place of Thomas write Rakenburg Unwills -

Change over & get value of a Victor for an Exchange proposition

Better wrench for annual pots - socket wrench malabal on it —

Jewels for Dr Parker see old Worth abt jewels -

Bauscher (12" C record turned to fit the glass plate —)

Porous Cup KOH, Ni pole Coiled Iridium use it for negative for storage battery

Turn up edge ~~of~~ made to allow more bracing for tubes

Mem go to Meadows & make the time locks are set terminal —

Patent Tellurium for gas

Tubes dedated, dried & swamped by rotating & scrubbed brush

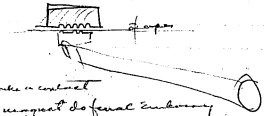
Iron pocket to be tested by Opel machine inside — before loading —

Tatnall — paint heavy plate — torch —

Barrett — ~~to have~~ Express

WU

Telegho Typewriter letters of 25 point pencil or embossing.



possibly stamp in contact & leave a marginal depressed embossing or perforating

Reproduce ~~graph~~ Pendulum with contact points, released each swing + continuous roll Tellurium point —

Send Cable to ~~Benjamin~~

Give small battery sketches to ~~Brown~~ —

Put Geneva Cross on R1 Ni

New tube, dip 33, then immersion to strong KI & plate 1/2 hour 200 ma amp

~~Breakout~~ put in Cell —

See How Pitts new 40 lot
presses out,

See How 3½ not on Premium
our Comes out

Test gear drive on Cumberals

Test wood floor of
shop by road below on
found a cause to get vibration

Hurry up design 10 vibrator
section, Feedy —

Telefone Beach about Licence
feeding.

Hurry bid on 25 1 & 1½
Lucy Brown make bed
for 100, & also 25 lot,

See Humble Bros new lot
Velocity, Time,

Tell Harry about Lancaster
Advt so go on record,

Hurry A8 Model A12

See or Bailey Brown
drag of brass shell to
used on 1 Horse —

find big lot 1½ Cobalt
look up test call see
how it is & when come
off & if OK make up
A4 call right off —

Smith — make dog 1/8 A4
soon as possible
25% Roll —

Try K1 on Iron strip,

Tell Wallace Miller T.T.S

See Wirth Tell him on high steep walls the flow of the gas turns to coal should be no flow —

Start somebody moreshequalizing loss of Nickel 2.111 per 66 flake —

Look up some very old Cells to CO & put regenerative sol in

Try Chl Zinc Sul Zinc Ba Cl Sr Cl, regeneration —

12 Byron Kendrick see Pelton Lehr & Anderson to get phenomenon hefore but blas 12

Hartley see model A 8 & drawings turned over to Bachman to start mfg & turning A 10 & 12 models & drawings —

Monday big model up music room & show Coops & generally to 1 3 & 4 & get drawings —

Go down for hour or so to Acken on desk

Hawk unpacked Patch new records —

test Cell & Record Boy rumbum

Reg Green dampcoat press hydraulic —
also wat KOH do some dry & peroxide

2 tubes – soak 33% KOH
put in KI + KOH & run
by 1 hour dat best cleanly

ditto 1/2 hour
ditto 15 min –

2 Ni strips, high density
21 K 2 Li etc of gas can
be exploded 1/2 way down
no Liquid by arc

Godwin Stakes of Light
wagons how many ord ordered
More wagon stakes –

Dyer about 1/2 doz Grand
Cumberlands for all hands
go out, built hand.

Aiken press a gab of
Rinser on plates 1/32 Uncle
all how goes, Curt & Ivy

Layout the alkali small cells
equivalent to 1 long tubes –
1, 2 – 4 – 6 – 8, 10 12

Draw the regenerating cols
in bottles to put with
tubes to use the Current.

Go over to Bailey Co & see
Greenley & the layout
for drawing Cu & Ni – also about
rough taking out Cu from Ni

Hurry model Condensers
drum

See about unwinding
flake Cranes –

See if KOH are right for flakes
& colors Current goes to
85c too much per lb –

C31D

Talk to Thomas about
acids not keeping enough
liquid necessarily gelly
flake not liquid enough to
increase under surface

Show who has up original
Let Stamps out work if
also we soon get out
Horses of ok Chemicals
to Trucks

Wednesday get delivery
Cocks — Dicks & Wallace
groceries & various trades
get letter re Jackson
from mi = to get & ship
from single weapon storm
also Milk delivery
Bakers — Etc

In aluminate usual acid or
alkali, (Gahnite) + X H_2O Sol Acid
+ NaOH,
Aluminum Thorpe only usual
boiling alkalies

~~Cycle~~

Get figures Cocks Wrong
Rabbit + other Wrong
for making Mr Oh dry
process, See if Thorp
small money will Chan
ng up to buy Engy
Reply — see how rapid dry
+ also if heavy pressure
over loading dot + if
Crushes ok

JWM Estimate Cost
Crystalizing Dry Cake Re
using H for Fe —

Take some of the green
made dry process + press
in heavy press 3" Chaker
see landing wet —
Fred OK —

Goldsbrow sed if 1½
Co can be got in
Mr Rockfeller Dept and
so can use dry
process —

Fred OK, Hexagon Tile
Rolls for Goldsbrow —
to make the OK.

Go to Newark see Adam
Garvage — Visit public
Serv get prices RUOH,
find out Number of Cans bought
Trucks + if they really need
28 Trucks

Try Can ream & burnt Rubber
then, Talcum —
see Sadley Hard Rubber
Supt in Newark — Rubber
Can be put on screws

See legal dept - calculate
on Veneer for Dress —

Close with Duplex
Have his man come
over prepared to sign
Contract, for Sept 20th
delivery

test 8½ oz neco spks
on some of the lace
dope records, Point
needle —

New vibrating [illegible]
See that back adjustment put
on —

Examine old tubes from
old Collapsible — Switch
has Clerico

Arrange to order
12 Polyzoin Kenals
Underwear —

Molucca Nut No 3 old
Ryder on Edyll [illegible]

Goldstein Gor & Co
Mr Bremuth 4/0 Bem
Green —

Get [illegible] 10 inch or
find good Cement full
keep to turn —
Cynch Neuroasia.
plaster of Paris — Montan Wax Asphalt

See Gell & Anderson &
get them in shape for
the 12 Bijouterie —

Write Simplex not less
than 11 inch clearance

Joseph Baer, decline:
Take brass plating & get them turned
1 pair 15/000 & 1 25/000 —
get some metal plates do same thing
Now about plates of glass — Shellac Brown
Graphite & Thumb Varnish or Castor oil —
Try Castor Oil alone
Polish has turned thumb plate,

Back recuperation following
K Tartrate, - KCl NH_4SO_3
KOH + KI
KOH + KCy - 3 proportions - ammonium Citrate
Ferricyanide - Ferri - Ammonia -
K Malate - K Nitrite, NH_4 Phosphate
Zn SO_4 - KOH + HgCy - HgCy 3 proportions
$MnCl_2$ $MgCl_2$ $MgNO_3$ Mg Acetate
Mg Citrate K Citrate, K Tartrate
Mg Tartrate $LiCl_2$ KOH 10% Sat. Li
Li Citrate, $ZnCl_2$ NaCl Chlorate K
Benzoate K Picrate, K Hypophosphorous K
Boil KOH, glycerin do K + Sugar,
Dilute Boil K + glycerin + then soak out
in KOH 2% - then change to 1%
with KCy - KCl, HgCy KI, K Citrate
Hypomitrite Na or K,
Boil K weak + Cy - soak out H_2O, free K
then soak in KCl, HgCy KI K Bicarb
Hypo - in KCl. strong - pass
Anode Current strong for 10 min.
300 Amp - to form chlorate then
Soak out + Run -

See fuse have another, over think
Fred Hall got one, 212 -
Try pulling - boiling Waters

Why not tin back of Cu master &
burn trial reff, + use steel plate,

On Grand Ambassador level
with Kcy all the thin seconds to
see if growling like Premium has

Put thin foil of old cells up
on test

See Hertler A/2 = ~~Ast~~
Ask Brown if Co have with
Increments for 18 =

Dilly - Cutting up a wrap
flake sheets, long clamps
Eat out + chap up -
also squeeze, punch or other means

How about two flake Drum
Dragging

Gel Stolen Make Na Sodate
Co, Mn $6 Cr Pb ^ Mg in tube cells
See How much Bee getting
now -

Tell Harry about Bruchen
5000 as far as he knows
+ put 1500 underwater -
but all by B. Check -

Na SO4 7H2O Dead Coat
40% Yield to be added 6 cents
16

Normal Conditions

Leave Augusta 10
24th - Charleston
Plymouth 11 - 02
Auto Ether

2 Tubes closed Total
Ends

See abt Harry Wendell
Lumber Truck Chap
leaks to Orange

Have platen made as
per sketch for Chicago

follow up Jaw dowb
collect fibre and lamp
blocks for Chicago veneer

follow up Jaguously
Turning of presses dies
Rig up Jaw

Dilly - test section of
Can with bad joined walls
leaky places - see if
Closed by rubber &
Try ROH, Get (at old)
Cans very bad joints make
it bad, Cool - put on &
then put away full
ROH

Talk to Hartman
Mrs Lilly Credit
Send Check for Steam
Arrange SB Bonds for
Mind

Low water indicator
on cells -

Dope inside pipe top
& bottom & all but top
one cell - the other dope
elements & Can

Smith make Cobalt
Cell - when 50th Run is
~~also~~ out,

Get List of California
Caldolomite put in & has
made & Extend list
to Ephrem's limit,

Moreton Green with
Cobalt Sulphate, or Chloride
put in ROH & wash
& Leach - Check of several
proportions
With Organic Gases -

Precip Ni from Chloride
Nitrite Nitrate, Acetate
Chlorate, Carbonate
& other Sol Salt,

Prep in pots of grow small 7 [illegible] sides & in several proportions

A screen cloth basket immersed in oil to boil shellac & [illegible] Condensers

See Schorat people about centrifugal for shellac

Gross-gabs of clear stuff for veneers —

Jones about the lathes Lodalea —

Brahman [illegible] on log kept up waste from new [illegible]

Meadocroft about book for rep adjustd Battery —

See about tools for 8 1/2 tube cell — also make 4 - 1/2 tube - 6 1/2 tubes 10 & 12.

Prep NiOH from dif dilutions — very weak weak stronger & less than Reg

Prep reg & let it stay wait for long time & yell get Crystals

10 5th [illegible] rails
Pugi —

A 4 now put in 1/4
CP paraffine oil (Mecock)
& Run test, let water
get low so oil go down
on tubes. When full open
run —

Patent. Elec Wagon
battery Capable of storing
Enough Current to make
the delivery, Water Control
Ele or Combustion Engine
a reservoir filled of water by
boost,

Make 2 [illegible]
for Convenience of one
2 small one

Put at up & down record
heavy backing Lead, now
etc —

Harry Wilcox looking
after Kansas City Coffee Pots

Write Kaldenberg, Wisconsin
University get [illegible] on Chem

Advt. Elec Chemist
Elec Chemist — Look Editor
on Telephone for one,

See if [illegible] on Ground [illegible]
a [illegible]

Water not to make last
[illegible] —

Acc if Hot [illegible] man has
got any [illegible] under

Anderson [illegible] about
2 grand Umbrellas

Drosse safely done
Valve [illegible]
go off [illegible]
high pressure [illegible]
Closed [illegible]
fill supply [illegible]

Menzies [illegible] see if [illegible]
the Horses have a right of
[illegible]

Lowshop [illegible] for man [illegible]
in Little [illegible]

Get Varnish
on ball pressure
or wholesale
Stream
[illegible]
[illegible] 1/8 [illegible]

Get samples & prices Strawboard
which [illegible]

find a Salesman for shelves
which is not a [illegible] for
Moulan — & Varnish
the base dry & [illegible]

find the 80 lbs Lithos
[illegible] —

Test the [illegible] Coors
when [illegible]

Legal dept see if Co Cumberland
have patent or [illegible]
ring around [illegible] & order
part of [illegible]

ask Wallace if AC has
appealed

patient rolling out Cutting
pressing
Arden patent Lamb –
2 patent Soaked Cardboard
+ Veneers –

Allow with plate ~~Finishes~~

~~Lacquer + pour Pouch and~~
~~Cement.~~

Try last Lot. Tubes with
Glycerine only + with
Chromate, small quantities
& test effect on reduction of
tubes by Gly & small quantity
KOH, Sand & test on fresh
Gly. diluted somewhat.

Old tubes 1st Lot put
up again with new Dress

Requirements Tubes Glycerine
solutions –

20 pts Arsenous acid	40 alumo
20 arsenic oxide	20 Carb Mthy
10 Benzoic	10 Bacl –
10 Boric	5 Co Sulphate
15 Oxalic	
50 Tannic	27 HgCy
1.9 Iodine	50 K Carbonate
10 Cupric acetate	3 K Chlorate
30 " Sulfate	25 KBr
7 Mercuric Chloride	32 KCy
40 K Iodide	50 Na Arsenate
8 Na Bicarb	60 Borax
98 Na Carb	20 Na Chlorate
0.1 Sulphur	2 Bromine
50 Urea	50 ZnCl.
40 Zn Iodide	35 ZnSO4

Glycerine + KOH nearly saturated KOH only
dissolve Cu BiO, Co Sr Ba improved.

Moore Try Gluc – 200 ~~or Lime 400~~
Ibrin – above

Legal Dept get Patents & English
disc patents, man at public
library

Have Test Boy get new heavy plated Cubas when they are made

Throw out machine welding A Cans - Why not use Electric H & O & weld with this new reducing Pressure of H.

Harry about getting balance of Motion stock parts of Educational Engine.

Warm Mallory New Land of Muzzles.

Bless put on Belt drive 1 Hour - on Motor tightener -

Find of a can Cake Cigars & pay duty on them

fusible metal lead on mellow rubber off then Tin lead on - pressed No flux, used sand paper

Pb 2 Sn 2 Bi 5

Look over the Home Turning Machine To Cheapen -

Educational Machine Roy Cylinder ~~large~~ twice speed to record Children voices on - & Reproduce ~~Bells~~

See How Pelle records get on last Lot.

Order 15 lbs glycerin

Dyer about getting Educational Man for Dyer Records -

Make 6 wires Replace
for disk, No 3. 3 No 4 3

Ask Aiken if discs
Can be dry after hardening
or while hot —

Edison Alden NY
Big Bally 22000 amp
135 V 1 hour discharge rate
$60 per kilowatt hour
figure our cost,

Grant Mechanical Equipment
Wooster Ohio following
to break out electrical
so ball breaker Central —
Metallic or Equitable —

Try varnishing with a brush
use stiff bristle brush —
Trowel — Spatula, dip
dip + rotate, Very thin dry 3 coats

Thick strips on tin — Wash, dry +
Calipers — put on tin foil
dry — then transfer to disk
heat + peel of foil

Buchmann where is the
little Englishman for Electrochem

Has nickel plate been designed
for A 8 10 + 12 for blanks

Talk Bee, Edgewood Garages —
Rent + room — find people help pay
rent room —

See Webster Hotel room

Hydroxide & ether
prepare by rules &
under Creighton
dry & pendant
Employment of Experience
patents —

Coat blank with weak
Varnish before (Crown)
the thick Enamel —
also try slightly thinner
final Varnish,

See Harry If I hydrolyze
from the Illustrations

Acetoalbumen +
Tetrachemap — pour
glass — dissolve out
Idea to give flexible for Vul
cuts [illegible]

Varnish Mouldings blanks
with shellac in alcohol
ditto in alcohol + Ether
dry & press — Daily to work it
etc

Coat Moulding by machine
Use Tetra as cement +
thread like cords

Try different speed to table on
Varnishing Machine Keep
fast sup — using different Gal
solution go over & over again
new Mandrel 12" also
also see how many gauge
Come Coming + get [illegible] speed
up.

Draw up contract Mallory & Marcus
~~Dep~~. 1/8 inch after Expense + they
as long as they are connected with
me, if the company discontinued then
interest is reduced 1/5 — neither
decide they obtain what as long

they are connected with the company

Mr Corr — Condensite ground
Try — also Metal sand blast
it for Etch with acid —
or Tin it + try again —

Get 2 Reg Comet records +
Young Robin stick together
+ have see if OK + test for
temperature coefficient get Vernier records to compare

Anderson re his drawings
mailed to Inge + Thomas

Anderson How about
Drawers + dessos —

Look Dickson temp of his
disc when pressing
must not be higher than Bakelite
Curing —

Bee What is being done
to Rapidly introduce filled
Rotary impregnant (instead of long)

Wilson — Fred Babson should
be given a short exhibit of
Grand Cumberland
3 Repders Jobs —

Experiment how to put
Cloth on — g a motorola phenolic

Wilson pkg Cases 5 and
50C w/ Storage Battery —

4 1/8 tubes pure nickel 003
+ load with Bismuth green
one qr — B. cuts for plate +
plate the nickel over it & solder

Buchman — Mr Cor to
measure Ct in Flake bldg

Bee —
Washin Concrete pact bez
are they doing anything —

Test Tolvalue & records 120 Tals

Make Fe with Mn OH &
Fe 3 Oy – dry & make
percolate & remove –
get Mn make 7 or 3 lb
& have Fe outside

Jones large Vac filter –
ditto 10 gals
in Crystallizer & sequestrator

1500 lbs dry of Tolvalue

Jones see if can get lots dropping
Solvent from Tolvol –
Tolvol & Carbon

Jones try Melting Tolvalue
& Bone black – Mn
out oil – distill Mn OH
get oil out – also screening

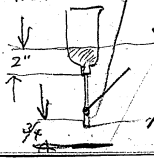
Wendroff etc
Bumbrugger Schenes
Goetke Plant Snyder
David Straus Co Newark –

Redesign drum & pals
so flanges don't break –

Standard, dimpled where is it
& why not Companions Made –

Speed of Jacco 25 Rev min
" Screw 35 " 10" Rev
Threads 7 per inch
Screw Pitch 10 to inch

Hole in Mnack pipe $\frac{1}{16}$ inch



Height 8"

OVER

C613

Varnishing Machine
Angle of Valve Regulator
5 degrees from horizontal

Big Machine – Correspondence
Schuck Coating Forward

Arken – fold up blank
from Mark Twain –

Cost of Cake March

Ni Chloride & Sulf.	73.00
Cu " "	9.00
$CuSO_4$	20.00
Ammonia	33.00
H_2SO_4	2.40
NH_4SO_3	0.06
$NiSO_3$	0.07
Current	30.00
Water	13.00
	196.00
Labor	47.90
Expenses	62.00
	305.90

Now saved on Aluminum
Copper & water 78 cents –
reducing to 2.27c

Fred oil disk & double coating
dry between –

Arken – Make some thicker
Varnish – or Just Evaporate
ours to get thicker
probably bubbles can't come
up –

Get Costs 1 & 2 Tons
for Solomon –

Arken roll out long
rope 2" wide & roll up
then put in Schumann &
roll plaques get rid out

Arken the 2 Rolls don't seem
to run same speed

(63)

Put 2 Glycerin together with Rosin. Test. 40 Below Zero —

Moore Select a Ammonia for a freezing Galvanic Cut.

~~Where~~ Next Cut glycerin Tubes, Use Nitrate Ammonia Chl Ammonia Sulphate Soda Bi Sulphate K or Na & acid Salt, Trichloracetic acid Oxalate, Acid Phosphate Hydroxylamin — Na Hyposulfite Hydroquinon, Pyrogallic Ac

See the Sulfate Iron by Ralli — Dry quick on Hot plate to get porous Also one Bulah ignited to get dirty & then peroxidate —

Cut up 2 Doz Strawboard sticks get sign from Arthur boil Rosin —

Make device warm Rosin stick & vance —

Smith about Galebach —

Bee Cord work Stick shapeing

Keep cells filled with distilled water 1/2 above plate —

Keep Top cell clean dont let dirt get into water filling hole

dont slop water all over building as it goes to Gallows & rusts Can —

Make some Clay balls for Moore —

Petit patent 7-9-0/92 who owns it is it valid unpatented + double finishing,

Dy^n Lansdale Co (Lacquer) never use name — B Schlumann get data —

Dyer — Moving pic world July 1 — Almost talking pictures — Moving up & not have first cabot

Put somebody on Scrap flake sheets —

Moore Lacquer record surface then flashed parts set backing in & let it set —

find most cure Cobalt sol & use Cerec Sol soaked in green — also double dip drying between after Roller coating 1st dip — try 3rd dip.

Aiken — dust compositions over Lay Rough gab & heat to burn out air or heat in Vac — then Rub out To Veneer

Monsen Lac record steam pickle a Nozzle flow melted Shellac over Monsen's disk by screw feed

Try Steals Veneers on Shadowboard by Rosin in Solvent not attacking Cardboard, TNO Rosin in Shadowboard

See next page skippedthru

Be sure to get new Cubro
heavy plaid for tools.
hereafter —

Patent Turning off Copper wound
Coils Dynamos — backing —
up & down a spec chamber.

Patent turned flat wound
Motors, soldered at 2 deg
or less wire,

Wet varnish with organic
Solvent in which shellac
& varnish must sol, then
Varnish,

Get passports for all family

Sealing B4 - all spell
out —

Moore 3 layers of 1/4" soft
Rubber Lawson desk best

Moore Use Reg Phenol
Resin — better than shellac
Melts down, if melted
stuff into bottles used —
Don't think shellac in school
will wear long —

Ask Bleas if Journals
due to amount a novel
upon make a dic for
Afield —

Rank Drafting Smith
Salary 5 & C day

Make up 3 tubes, soak in
strong Cobalt Sol,
dilute tube with KOH solution
Calcium — UO2 35%
$CoSO_4$ — as well as the
strong $CoCl_2$ —

~~Moon after dead reckoning~~
~~of to Washington telling~~
~~2 Vincennes logs + Lincoln logs would~~
~~be sent~~

~~Oyric see that Hylan~~
~~has covered all Cobalts~~
~~here + in Europe,~~
~~Especially phone part,~~
~~a Coulson —~~

~~See Smith + dog — + have~~
~~him go ahead continuously~~
~~to see if everything OK~~
Can order 25 more Geiters
I go — also Ironmach
~~designed~~
~~Anderson look over~~
~~tube machine preparation~~
~~ordering~~

~~Iron Machine loaded~~
~~for surface tubes —~~

~~Use of Columbus discs,~~
~~have cardboard insertion~~

~~determine shrinkage~~
~~in baking veneer —~~
~~+ etc for Repairing overall~~
~~as assembling~~

Soak 1/10 mds Candkaid
in Varnish dope, dry
then varnish & dry
~~paint~~ then clear press
[illegible] test (cold test) —

Collect Wardwright
Collect Photo Records
press Cost Clew & Supply
from Bench Curves

Letto Trucks —
" Emerall 1 H.
" 4 Hres cell
" [illegible], Wks 1
April Cost SB Co —
1 Horse truck

(Photos from Engling)

Consult
Hzat a Number record
up & see if t bents
+ slays bent —

Write up Talking points
desc Wedgewood

See Bachman about posts
for annealing made
outside —

Pt Varnish well / using
thin glycerine wipe off
dry & then varnish seq —
Letto pamp oil BP
200 Cent — wipe off —

Aitken deliver dra
hot & cold so can work
right running meshes

Get Blackdiamond fuse
Suffs —

Make prop valve bellows
Cell removeable – screw where
in –

Try cutting cell, the venom
with a diamond.

Press Elaterite flat in hydraulic
see if can get it –

Jones who will foil
the Shellac

Goldstein, Crimchelerton
Bridgstein, fuller press
Goldstein

Fix up the vertical
mixer so blades nearly
touch bottom

Probably chicken pressure
does too much before preparing
plastic thus cracks it –

Purify some of Pain's Celluloid
so no vapor comes off at 230

Also get substitute for Monachlorine
as carried 4/6
Glue says it get it fine enough
i.e. 4/6 and need very cautious.

Hard rubber Ill also is
mix 4/6 Pain's celluloid
Monochlorine get it
fine, grind it with Main
Turnbury 4&1 to mix.

Fix up cons dev in Alcohol
rapidly dissolves well it be
long

Screen 4/6 thru 200 mesh

Aiken heat the wood-fibre to 225 keeping [illegible] to dehydrate

[illegible] make [illegible] with [illegible]

Send Wesson Oil [illegible] of Clifford [illegible]

Scherley March (new) at Folies Bergère — Composed by Fabrais 1st from plays

Entertainment with Room 2 4/6 or [illegible]

See if you have calculated the semi-plant [illegible] also [illegible]

Write Hilling if man OK or where is people

also Receipt from Bellbelds

If we give me way to make perforated slits so I can [illegible] Condensite [illegible] head leveling to stop the from [illegible] it —

Oxidize Enamel see if good in [illegible]

Find out Normal a Mountain Second Coats till its same thickness as bac bake at 140 after drying the press ahead at 230 or higher if Mountain well [illegible]

See what applications have been made on Press — Vincer, Vanosly, Zlo — that strongly — make ulbro a Clean new article up to Shut out foreign —

Press some of light weight MnO_2 make on Rolls see heat loading not possible — try Screw Press —

Goldskin make some Roll — MnO_2 & dry under pressure get heavy iron block 4" thick to fit box

Bee — How about Beach Car Cutters see soon as he get 10 to 15 Cars going we showed here an respidor & train how to get him willing to —

Brown plaque unpunfon Pentu Same do good one tested 264 times — tried OH put 10 layer released 5

Wagner St Louis
Magnet, rectifier =

Get old R.D. gloves for
Spkr links —

Weight of Bracken carrying
60 pkgs 11 lbs. 6 oz —
1 vehicle load 12 60 pkgs
182 oz. each 136 lbs dead
load, room for 15 60 pkgs

Ask Chester if he has
arranged the money
to meet his note —

Dyer was Marsh notified
under his contract —

Try regenerated Cubes Hg Cy in
Water —
detto in Water with 2% ROH.
detto " with 2% of LiOH.

Above with previous treatment
with glycerin + 3% ROH.
& without treatment —

See if Veneers cant be pressed
between discs hot instead
of Rolling

Dyer Legal Dept Dat — England
Germany & France recent
Bottling appliances etc —

Export 7s pocket open end type
hood all same thick but metering
not on plunger small feeds
see Capacity life + dribbling rate
at 750 —

C812

Pull out platters & dry their dry
150 & their mix up again & roll

Harry – gives me list of
Stockholders & Pa Cons
of £ 0.3 Melling –

Draft letter for Melling &
Mason – Pull up & fully
or have 9 dampers –

look over big chopper
bottles & slipper
that Vellaly not occupied
at ordering bearing –

give a shout out where is more
people to deliver

Pull out all with plate in
Lodge

Receive things
= 5 plate boxes

Moore new mould
diamond turned & highly
polished to get the oil out

Have boy run the Lacquer
Cylinder Record with
Drummond 1½ oz 50 Times
after turning bread & cheese
Whole Lacquer

Make several dampers
Buckle shillaber, Dot & Feller & book down
with ½ oz at Drummond, Dimbrings
see Dally, Salution & fine
Salovitch – Dally & fred
go at £ –

~~try Br OH in CS_2 Xanthat sol KOH —~~

Dodd to make some high MP Montan for lacquering 6/4 dope on old 230

~~Petit send 1/2 doz lacquering Montan for test purposes also thousand [illegible] ACC Acid —~~

~~Make 1/2 doz O rings & letter Dodd to test Valve file 1 is no test.~~

~~Moore opt [illegible] to feed turn drum, then polish with Vienna lime & ammonia & have Olsen with mount of Copper Metal turned drum & polished Vienna lime & sodium~~

~~Gritstein try orig Sal on bad green Coated flake to opt. and of Copper Metal then take out & [illegible] —~~

Heard mailed "P" speaker Drummond, for Reg 1 doz. New arm & new line of phones new Regular arm No 2 min —

test Gear driven phones & OK adopt in new line of phones —

~~Find out duties on Gallon Shoulder Frame Running of [illegible] Phelps & [illegible] Etc —~~

(85)

Make lot of Chas for Moore

3 Rosin 1 yellow Beeswax
for attaching copper Insulators
& backings to burning off
plating

Got some 1/2 lb Beeswax

Jacquemy 1 yellow mulch
day & night — 275 Rockets of
10 tools — 144, per week
2 Rosin — 10 Rockets 1 mm
4 boy — 56 mulch backs —

40 000 daily cost — 450 lbs solid lac
wanted,

Walter Miller — Nordiaa

Duties
France 1900 for 220 lbs
Belgium 15% Advalorum
Germany 952 for 220 lbs
Spain $133 for "

Try some of the gilt black in lac
Resources

Tell Buchman about
Nickeling Copper Connections
& Welding

Put in Emerald Flake for 1/4" or
anything we might find pure or
digs are wanted it —

Got Curve from Longard
Flake Sol & alles for
Europe —

Order Case of 15 c Red Shellac

Get Catalogue of large Cans with faucets for holding Lacquer

Tulling Point, E. Bal'
1st Cornelis Bailey
Pb bailey not a $13
as it is not reversible -

Try dissolving mixture of acetocellulose & shellac together in Acetylene tetrachloride
Brooks says this
Also Henry Acetals this
Lac & Cellodrom -

As cant express get way of getting Lac off a friend Domonian used again -

Bliss new shellac
new exp pearm Coulis

QWA - Liquid Condensing
for 20 to 30 weeks season to
bring it to 50 weeks
for dissolving Cellulose
Cardinite Mixture

Bliss Eat Argall
Spring Rubber Coating

Smith, 30 Church by Friday
Wood Carving & engraving
also Mr Hall 30 Church
Jersey

Plain Disc New Circle
(Mr Adrio Lanquinet)
for cover

Dyer - Holland Carbon Selfow
3 lbs - or Bichromate, this
is original, stencil a cover, Gr
used in Jokinen & attlo's cod.
[illegible] origin from
dichromate & be very useful
in [illegible] shop hand

Working Varnish Shellac
Alcohol also Lucy Miscellaneous
using Turpentine Chl
& Ether & alcohol 1/2

[10]

Precision is our run 7½ inches dia
Expts disc.

Plain Resin 100 to 200 of paper
& lampblack - moulded all discs
from powder -
10" disc moulded blank
from powder 500 lbs pressure

Then put one of these in Record
mould, heated 1½ min
300 lbs - didn't fill -

2nd Expt 500 lbs 3 minutes
heated - nearly filled some
places perfectly filled -

3rd Expt 500 lbs press heated
5 min -

4 = blank 1000 lbs 5 minutes
Record 1000 " "
This is no improvement over
3rd Expt, worse, but had to use
Extra disc as mould wont load

5th blank from powder at 1000, 5 min heat —
Record at 1000 5 min heat
No improvement, foundation rough —

Raise Floor to 100 pound

Remember Which
Cement for three months
on little Kitty Coyne

No 14 successful process
29 =

Taken 2 pieces from
press about 500 to 3000
lbs heated 5 min —
all worked same

Blank then varnished
both sides heavy coat
only once but melt in
bad blacks

dried 10 min

This is pressed in
polished plate 3500
lbs heat 3 minutes —

Then removed with
the varnish plate at
3000 2 minutes
pressure let off down
to 100 pounds
Cooling —

This pressed in rough
mould 3500 lbs heated
5 min —
Crackles handly pronounceable

Make a half CD a mixture
Hollands not [illegible] the
of book & which groups
from —

Instruction [illegible] about
patent [illegible]
Lost [illegible] Co
about to
final instructions flake
plant,
Order 50 1/8 tubes
Meeting
1/16 - Model plates
Set prac desc 1/8 [illegible]
also 60 [illegible]
Order set Reg for [illegible]
Instruct to all the Muckers
" Harry [illegible]
Covers + Back data

Smith about 1/8 spec tools
" " specs cell, C
Consider drum new Crane
" paddles film Cross
" screens " plant
Instruction Greenly work
on Electric Furnace
Instruction Moore Wurth,
Jura, Cockin,
Order 20 [illegible] presses
or Enough to take care
2 Spectrum
Exhibition Keep up Exhib. [illegible]
Spring Little [illegible] - close
Co Dry process - & fg drying
Rec Refining & packing in Hq

Justin Smith, new C½ tools, Co Bi tle - [illegible] Reg C8 =
Hallard + [illegible] for a Book on E cell for next year -

Roll out Monday a 1/4" strip of Book plate after [illegible] + cut out
Take new memo book to Europe

Measure off 6 cyl A4 without selling [illegible] [illegible] (one [illegible] round) [illegible], but [illegible] on [illegible] for proof [illegible] the foreign cells
L Oil, Stix for Wood
" Marking [illegible]
on doors a [illegible] [illegible] + [illegible] out C M to [illegible] [illegible] —

Picture keep on [illegible] [illegible]

Justin to Kamm + Brown + Brechum in reg small cells -

Justin to Elton in Re Meaton [illegible] + wagon + Justin [illegible] - Extra wheel + 16 C8 - 2 Rum + old wagon

Justin to [illegible] Copy all [illegible] Berryman on [illegible] to Europe
[illegible] Clinton [illegible]
Flu transfer idea -

Seal [illegible] [illegible] [illegible] shell be [illegible] [illegible] [illegible] Clam [illegible] [illegible] Rato [illegible] [illegible] Carbon

Full Cylinders to Mechanics

My Japanese stuff in Shake Department A.C.

Write Wood & turn Cylinder Nearly right and Varnish

Make some Lac Varnish 3 Knobs with Spirit medium & Recess @ il black Oil, make 1/2 dozen Each Mould & Cast

Squeeze some rubber Lapel hat Co. from in Screw press to get new Lounging hat Forget 2 holes on Trial

Tell Buchman Falcon up little more dollar Funnel for Bit Hollow and wing up

Buchman to complete tools & Consult with Bless as to breaks & how to fix or adopt policy to work Crane from 1 Ton slight to 1 Horse Exclusively

Chandler - Newspaper printed on gum

Fred Ott Reg up Trial only for Lounging plaque

But for Diamond Sticks

Lacour No 4/6

Bliss wagon 620 lbs
[illegible] wheelwrights from
[illegible] Bailey [illegible] 800
lbs — Use boxes filled
with scrap metal for
loads —

Wurthwoods, start making
one Matrix & then say 10 sub
Matrix and then several
times 10" drop on 12"
2 or 3 times, then after
getting it down perfect
steadily in press by 50
pressings — go ahead
with your stock of
Matrices,

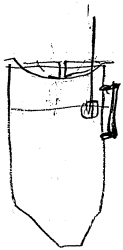
Dyes — The broad fact cannot be got
by taking a photograph of a multitude
Using a very sensitive recorder
whose record is independent to
promote practical results,
simply by giving such means
Mechanically & then simply by
the reproducing therefrom from
a harder Dye to supply
the original Dye — the 2
units being connected
to Synchronous 2nd class
Connected Mechanically
Etc

See Dyes [illegible]

Sure good head light
on 5750 lb wagon for
night running

Arrangements
easily removed

Dijr sec of wy cant
paid. new date every
so as to Cover Depression
unpaid.



	mk pf
Tetrachloraethan	1.10
Pentachloraethan	1.40
Dichloraethylen	1.60
Trichloraethylen	1.00
Perchloraethylen	1.50
Hexachloraethan	1.70

Plague Resin or mix –

Substitute for Peruta –
Tetrachlorap & use 3 times
the quantity of monochloride
if a
Drop with only twice
the quantity

Substitute Peruta for
15 Tetrachlorap 5 accelerator
use 3 times quantity wound
drop twice the quantity
in fine –

Substitute for the 20 peruta
10 parts Eugenol + 10 Tetrachlorap
+ 1.
Drop 10 Eugenol & Tetrachlorap
4 accelerator –

Plague Resin

instead 20 Peruta
use 10 Eugenol 10 Tetrachlorap
5 Benzoic acid

drop 5 Tetrachlorap 3 accelerator
10 Shellac, 4 Eugenol –

100 Resin
20 powdered Peruta
& there remains amount of
Monochloro-cresol or phenol
liquid like B.
drop twice total
to mix 4/6 –

find a Chlorinated liquid
that will not dissolve Resin

Oxidising Eugenol with KClO3, plus
Chromic acid or water
of the Sol. Dry Cul. 72 mins

100 Resin -
6 4/6 -
15 Eugenol
5 Tetrachlenap

Drop 5 Naphthalene mixed Tetra

100 Resin 6 4/6 - 10 Eugenol
10 Tetranap

100 Resin 6 4/6 5 Eugenol
15 Tetranap -

100 Resin 6 4/6 5 ~~Eugenol~~ Eugenol
10 Shellac 5 Tetranaps

100 Resin 6 4/6 10 Eugenol
10 Shellac 5 Tetranap

100 Resin 20 shellac 6 Tetranaps
6 4/6 - 10 Eugenol

Drop with 5 Eugenol

Dup all with acetone -

100 Dehydrated Resin
10 Benzoic
8 Paraform
100 @ 150 Denatured Ethyl Al

Dup 15 Benzoic
Dup 20 "
Dup 25 "
Dup 30 "
Dup 40 "

Dup 10 Phthalic
15 "
20 "
25 "
30 "
40 "

100 Resin
20 Benzoic
10 Tetrachlornaphthalin
8 paraform
100 @ 150 Denat Al
Dup with acetone

Dup with acetone

Dup 15 Tetra chl naph
Dup 20 "

100 Resin
20 Phthalic Acid
10 Tetrachl naph
8 paraform
100 @ 150 Denat Al
Dup with acetone

Dup 15 Tetrachl Naph
Dup with acetone

100 Resin
20 Benzoic
5 Eugenol
8 paraform
100 @ 150 Et

Dup with acetone

Dup 10 Eugenol

100 Resin
20 Benzoic
10 Eugenol Iso
10 Paraform
100 @ 150 Ellipf

Dup methacrylate

100 Resin
20 Benzoic
15 Iso Eugenol
10 Paraform
100 @ 150

"

100 Resin
20 Benzoic
20 Iso Eugenol
10 Paraform
100 @ 150 Ellipf

"

100 Resin
20 Benzoic
5 Eugenol
8 paraform

"

100 Resin
20 Benzoic
10 Eugenol
8 paraform

Dup methacrylate

"

Dup 15 Eugenol
Dup 20 Eugenol

"
"

100 Resin
20 phthalic
15 Iso Eugenol iso
8 paraform

"

Dup 10 Eugenol iso
Dup 15 " " "
Dup 20 " " "

"
"
"

Dup 5 Eugenol
10 "
15 "
20 "

Dupaction

Dup all with Acetone

100 Resin
20 Benzoic
5 Tetrachlnap
5 Eugenol used
8 Paraform

100 Resin
20 Benzoic
10 Tetrachl Nap
5 Eugenol used
8 Paraform

100 Resin
20 Benzoic
5 Tetrachlnap
5 Eugenol
8 Paraform
Dup 10 Tetrachl Nap

100 Resin
20 Benzoic
5 Acetanilid
10 Tetrachl Nap
8 Paraform

Dup 15 Tetrachl Nap
" 20 3 "

100 Resin
20 Benzoic
5 Acetanilid
10 Tetrachl Nap
10 Dhelfac
8 Paraform

100 Resin
20 Benzoic
10 Paraform
20 Tetrachlorinap
5 Acetanilid

100 Resin
15 Eugenol used
8 Paraform — 10 Tetranap

(131)

Tougher Varnish

100 White Resin

10 to 30 Chlorbenzol or Benzol

used –

100 to 150 Denatured Ethyl

7 To 8% Paraform

(Trioxymethylene) 40 c.c. 6 Hexylene

Can add Naphthalin

Tetrachlorol

Acetanilid

Eugenol – Shellac

Etc

Instead of Ethyl use

Aldehyde, Acetone

Acetal Ether

Veneer Resin –

100 Resin dehydrated

20 Pentachlorophenol

4 flake Nap –

Hardmuch 6/4 5

Veneer Liquid or Varnish

90 Denatured alcohol

50 of Veneer Resin

or X 6/4 – 1.6

2.

2.4

4 – 2 8 5.6

~~Phenol~~

6/4 – based on free.

phenol = free Resin

5.6% 6/4 – phenol

in Resin 25% 6/4

22 amp 1/8 plate 2 hours dischg rate, Electrical guarantee

10" Cardboard 98/1000 thick
Weight. 80 grams -
Boiled in Room, wt after boiling 144 grams
Caliper after Room 94 -
Dia diminished 1/4 inch.
Cost with waste 1/2 Cent

June 15 A dealaps 1110

Bad Fe Grat back long low discha.
Mallory estimate Cement sealed 1911
1.800000 6 lbs. Cost 55 8c selling 10c
Interest Total 73.
Cork paper 006. weight 860 mlg 1 5/8 dia

Price Submarine Cells Type S 2 P (S2)
up to 20 P (S20) 135.00 KWH. 3 hour rate
To 9 - S21 125.00 "
N 14 made 14 A size 1/8 Inter A 12 pates
110.00 KWH 3 hour rate

61 lbs metallic Ni tartrate wash cells
per Crane per ~~day~~ week 20 hour 1000 gal
1.100 already w Lost by 5 Cranes in 6 days

Price film US 9.9 c foot, Brock San Francisco
8.80 Canada 10.5 c foreign billed
5c sell 8c Cost Mfg 1.35 c

G373

My newspaper ads average 2.50 inch of Column = Sat Eve Post 84.00 inch, Current Mercury 31.00 Rep R 16.00 Life 14.00 inch

What cost the man searching Bakelite —

RA 1433-4-5 - pre exp cost

Get liquid condensile, try it bamboo paper French heart to make Diaphragm for Mecco sep dar

Vanadell Wagon jewelry cost.

Wagon depon	18.50	64
Horse "	25.00	84
Harness "	9.00	
Repair wagon	50.00	
Shoeing	30.00	
Repair Harness	8.00	
Stabling	216.00	18 month
Veterinary	6.00	
Driver	780.00	
	$ 1142.00	

4½ miles from Central Carriers 60 deliveries daily average mileage 15 miles

W J Trzokoburg now at Auto Elec Co Chicago - Head Supt previously with Western Elec, was inspector then general foreman 15 yrs high type man. (Moore)

Frank Sager Natl Cash reg had charge tool room once 105 men left with Yales Towne then to Chicago now with Natl Cash Reg (Moore)

R E Brown, Population Bluffs Mo Dalton Adding Mach, had charge St Louis Motor Car Co, is from Elgin Ill is an old Cash Reg man (Moore)

Joe Glue, foreman, old Wheel Cash Reg man very capable foreman is with Wayne Elec Co St L (Moore)

Tom Rutland Eng Clerk — is at Yales Towne had chg several depts also Tool room also had chg of a large dept, H&T, 38 yrs old (Moore)

C1393

Harris, Westinghouse Co.
Engineering school, worked in all
branches, office, instrument, the
w in Newark, a Southerner (Moore)

power submarines
Cube of speed — twice the
displacement at a constant
speed & twice the power
or with a constant displacement doubling
speed requires 8 times
the power

March A4 1943,

500 A4 per day requires
4470 lbs Carbolthia per month
2235 lbs 2 week
1,117 lbs week .372 lbs per
Cell —

1400
1040
360
3.12
720
3.6
4.3

1800
120
36000
1800
2160
8

2160
172
1728
198

6.5
6
39.0

24.70

40
26
40
104

300
7
8

198
24.70

250
180
20000
250
4500

4500

5900
7
3

600
7

6200
7
4

650
7
4.5

4

210 1

250

Boston
NY
Brooklyn
Hartford
Northampton
Albany
Buffalo
Pittsburgh
Toledo
Lowell
Buffalo
Rochester
Chicago
St L
Minneapolis
St Paul
MO
Cellcuba
Jacksonville
Lof
Cinc
Cleveland
Toledo

Milwaukee
Texas 2

25- 150
130
280
25-
140
56
70
85000
75000
10000
150000
56c
500
500
5000
56-
28c

Strontium Sulphate only weak
flake = 50 Rm

1 V	½	Heat
273	280	243
327	333	303

Try above with 2% CuOH
CoOH, BaOH, MnOH,

Also Uranyl dummies are the
probably bad Conductors —

Also with 10% CoOH,

~~[illegible]~~

Try Carbonate Sr
Hydroxide if shows
anything add Calytizers

Prof- 484 wfy 480) 3800 (7-
3360
440 Cells.

2500- 2500) 66000 (26
5000
16000
50

5280
105600

746) 3000 (4 HP-
20
2984
60) 40000 (26000-
360
4000
3600
400

9- 81 14
9
1152

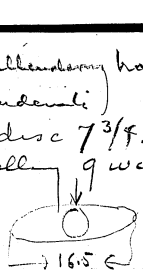
480- 27 Cubes

144
27
1008
288
3888

4) 108 (27-
17
108
27

3) 432 (144-
104
4
432
3
12

Calleudering hot 130
Condensi)
disc 7 3/4. after
Rolling 9 wedz -



6117-18-19- Bi not pl ace)
21K 2 Li

6120-1-2 d 1 21K4 Li -

10308 } KCl sat'd cold
10310 }
Thursday night 8 pm
Solution very weak on tube

10341 } K Sulphate —
10342 } Saturated Cold
Tube bright
red flocculent
Tuesday night 8 pm

10280 } pretty strong
10281 } Calcium Chloride
8 pm Thursday

Beads of dissolved
at breaks — good for dissolving tubes

10309 } Sulphate very weak
10340 } not very strong
10 pm Thursday

10344 } Phosphate Sodium
10313 } Na H Po4 12 H2O —
Tube cleaned, no deposit
10 pm Thursday

10460 } Chloride Ammonia
10461 } Saturated
Saturday 3 pm

Everything bright — looks
up all readings — no incrust

10312 } Nitrate Ammonia
10311 } not saturated
Saturday 3 pm

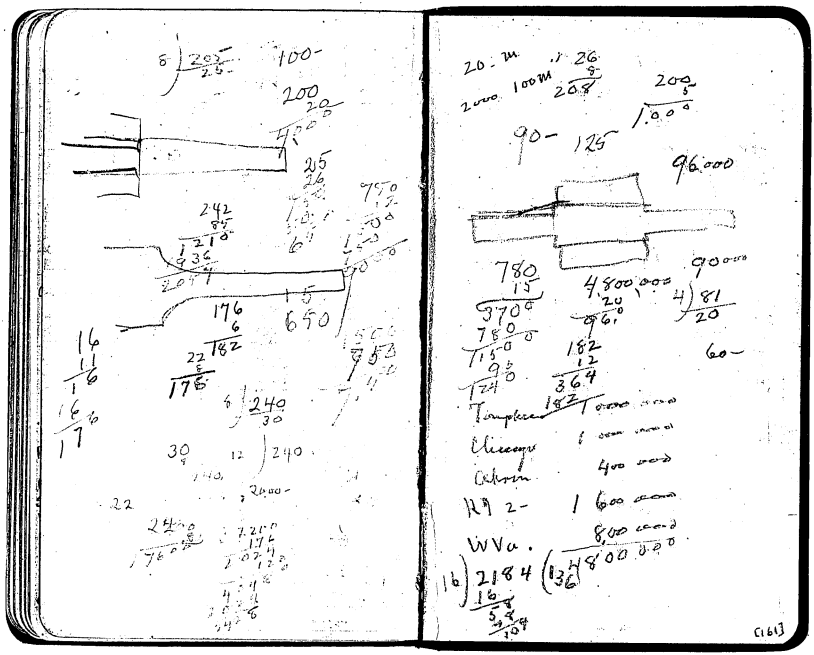
10343 } Tube bright — Fe green
10282 } Chromate Potash
Saturated
Saturday 3 pm

6117 } Arsenite Soda
6119 } Saturated —
Noticed water was yellow
from something on 4 24 —
Tube clear no incrust
Saturday 3 PM

3763 } Nitrate Soda
3764 } Saturated
Tube very bright Saturday 3 pm
some incrust at seams — Fe about 5 mm

3962 } Sodium hyposulphite
3963 } Strong
Saturday 3 pm

C1613


Templeton
Chicago
Akron
WVa.

7450
14 | 5215
14 | 745
11 | 5
39 | 1266

132
220
264
264
1266
4
1266
5064
5190
1

40c
10
20

144

1009
70
9.39

1266
519
1785
120
357
1785
2142

1115
909
1.792 | 216 (
120
96

1.7500
12
3500
1750
210

24 | 43 (2
42
28
28
28
2
124

25, miles

6 — 16 — 12 | 30600 (2350
24
60
60
60

1700
18
13600
1700
30600

2100 — 36 —

18 miles —

2
18 | 2100 (116
180
30
18
120
108
12
2100
1350
750
696
54

116 | 6.4